

- GI*
amended
- a) dispersing a calcined product of stimuable phosphor in a dispersion medium, to obtain a slurry;
 - b) eliminating grains that are of at least a predetermined size from the slurry of step a), using wet classification;
 - c) adding to the slurry of step b), a binder that is substantially soluble therein, to prepare a coating material; and
 - d) applying the coating material to a support and drying to thereby form a phosphor layer.
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14. (Amended) A method for manufacturing a radiation image conversion panel, comprising the steps of:

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- a) dispersing a calcined product of stimuable phosphor in a dispersion medium, to obtain a slurry;
 - b) eliminating grains that are of at least a predetermined size from the slurry of step a), using wet classification;
 - c) substituting the dispersion medium with a solvent capable of substantially dissolving the binder, while maintaining a slurry in steps (a) - (c);
 - d) adding to the slurry of step c), a binder that is substantially soluble therein, to prepare a coating material; and

d) applying the coating material to a support and drying to
thereby form a phosphor layer.

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